

Optical R&D Engineer

About us

PlanOpSim is a young engineering company focusing on optics and photonics. PlanOpSim develops a numerical simulation software to model and design metasurfaces. Metasurfaces (for example nano-structured lenses) are an upcoming field in the nano-photonics industry. PlanOpSim's software is used for the design of nano-structured photonic components in numerous domains like telecom, VR/AR devices, holography, medical, automotive and metrology by R&D departments and research centres across the globe (our clients are based in for example the US, Hongkong and India). We support multiple companies and universities over a wide range of technologies as technical consultants next to providing software.

PlanOpSim is a start-up located in Ghent, Belgium, in the heart of a thriving region for photonics technology.

Job description

As Optical Engineer, you will reinforce the PlanOpSims optics & photonics applications team. You will be responsible for execution of optics/photonics R&D projects using numerical simulation software like the PlanOpSim application or other commercial software such as ZEMAX ray-tracing.

Occasionally you will design and construct optical measurement setups to support your designs.

You will support the software development team by developing and documenting new simulation methods and improvements to existing methods. You will act as voice-of-the-user toward software development and translate user-level requirements to feature descriptions.

You will write technical and scientific articles. You will support PlanOpsims software users with scientific and technical advice.

Typical tasks will include:

- Design optical and photonic system using PlanOpsims software with a focus on metalenses
- Communicating simulation result to customers and colleagues
- Developing optical simulation features into ready-to-implement recipes
- Writing technical and scientific articles and documentation
- Provide scientific and technical assistance to software users
- Occasional travel to project meetings and technical conferences (maximum 5%)

Your profile

The ideal candidate would have:

- A Master's or PhD degree in Photonics Engineering, Physics, Electrical Engineering or equivalent through experience
- A thorough understanding of optics and photonics applications
- Experience in optics and photonics simulations with raytracing software (ZEMAX, CODEV) and full-wave simulation (Lumerical, MEEP) or similar software
- Fluent proficiency in English, speaking Dutch and French is a plus
- Good communication skills to both specialised and general audiences
- A self-starting personality, who enjoys working in a rapidly changing environment

The following are considered an extra advantage:

- Experience with metasurfaces and/or lens design is considered a strong advantage
- Experience in optical measurements and practices
- Experience in software development

What we offer

You will receive a competitive salary in line with your level of experience. An additional remuneration in company shares or stock options is available if interested.

You will be joining a fast growing start-up and have a strong impact on the company's growth and future direction.

By joining PlanOpSim you will be working at the cutting edge of technology with many opportunities for personal and professional growth. As a young technology company we foster an open and flexible work environment.

Contact:

Send in your résumé and application letter to lieven.penninck@planopsim.com